

Store at  
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#64210**Human IL-17A/F Heterodimer  
Recombinant Protein**

25 µg


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MW (kDa):	UniProt ID:	Entrez-Gene Id:
30.7	#Q96PD4, #Q16552	112744, 3605

**Background**

IL-17A/F is a cysteine-linked heterodimer of IL-17A and IL-17F (1,2). IL-17A/F is produced by Th<sub>17</sub> cells and γδ T cells (1,2). IL-17A/F stimulates production of pro-inflammatory cytokines and neutrophil chemoattractants, thereby functioning as a bridge between adaptive and innate immunity (1-3). Some research studies suggest that IL-17A/F may be involved in mucosal immunity against some bacterial infections and has a putative role in some autoimmune disorders (3,4). The receptor for IL-17A/F consists of a heterodimer of IL-17RA and IL-17RC and signaling through this receptor leads to activation of the Erk1/2 and NF-κB pathways (1).

**Endotoxin**

Endotoxin levels are less than or equal to 1 EU / 1 µg hIL-17A/F.

**Purity**

A greater than or equal to 95% purity was determined by SDS-PAGE.

**Source / Purification**

Recombinant human IL-17A/F was expressed in *E. coli* and is supplied in a lyophilized form.

**Bioactivity**

The bioactivity of recombinant human IL-17A/F was determined by measuring the production of IL-6 from mouse 3T3 cells. The ED<sub>50</sub> of each lot is less than or equal to 10 pg/mL.

**Background References**

1. Iwakura, Y. et al. (2011) *Immunity* 34, 149-62.
2. Chang, S.H. and Dong, C. (2007) *Cell Res* 17, 435-40.
3. Henry, T. et al. (2010) *J Immunol* 184, 3755-67.
4. Hu, Y. et al. (2010) *J Immunol* 184, 4307-16.

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